

BOGEN®

COMMUNICATIONS, INC.

FM RADIO/RECEIVER MODEL FMR

The Model FMR is a wall-mounting FM radio designed to furnish background music in paging systems and for music-on-hold applications. It operates from a 12VDC or 24VDC power source and has a line level output for connection to a paging amplifier or paging control device. A separate 1-watt output is provided to drive an external amplified speaker.

A tuning dial selects the desired frequency. A built-in speaker facilitates tuning and AFC circuitry prevents signal drift. A screw-driver-adjustable tone control and separate volume controls are provided for the outputs. Switches select power on/off, internal or external antenna (telescoping antenna or external 300-ohm), AFC on/off, and internal or external speaker (1-watt output). Screw terminals are included for connection of external antenna, 24VDC power supply, and outputs. A jack is provided to connect a receptacle-mount 12VDC power supply.

Tuning Range:	87.5MHz to 108.5MHz
FM Sensitivity:	8 μ V
Frequency Response:	90Hz to 16kHz, \pm 2dB
Power Output:	1-watt @ 8-ohms ; 100mW (Line Out)
Signal-to-Noise Ratio:	-65dB
Distortion:	Less than 2% at rated power output
Power Requirements:	12VDC or 24VDC; 250mA
Dimensions:	5-15/16"H x 3-3/8"W x 1-1/2"D

INSTALLATION

The unit was carefully checked before leaving the factory. Inspect for evidence of improper handling during shipment. If damaged, save all packaging materials and place a claim immediately with the distributor from whom the unit was purchased. If the unit was shipped directly to you, file a claim immediately with the transportation carrier in accordance with Federal ICC regulations.

Keyhole slots are provided on the flanges (top and bottom) of the unit to facilitate installation.

CONNECTIONS

POWER SUPPLY. The unit operates from a 12VDC or 24VDC power source. If a 12V source is used, connect it to the 12V jack located on the lower side of the unit. Connect a 24VDC power supply to the appropriate screw terminals. **Be sure to observe polarity.**

ANTENNA. The ANT switch selects the internal telescoping antenna (INT), or a user-supplied external 300-ohm antenna (EXT). Connect an external antenna to the screw terminals marked ANT 300Ω, and place the selector switch in the EXT position.

OUTPUT. Connect the LINE OUTPUT terminals to the input of the paging/BGM amplifier or page control module. The 1 WATT OUTPUT terminals are available to drive an external speaker, if desired.

Note

The SPK switch must be in the EXT position when using either output.

OPERATION

POWER. The POWER ON/OFF switch applies power to the unit.

TUNING. Place the AFC switch in the OFF position. Move the SPK switch to the INT position to use the internal speaker while tuning in a station with the tuning dial. The TUNING LED illuminates when the signal is the strongest. Use the 1 WATT OUTPUT control to adjust the speaker volume, as necessary. Once a station has been tuned, place the AFC switch in the ON position and the SPK switch in the EXT position.

TONE & OUTPUT CONTROLS. (Screwdriver adjustable)

- Tone:** Clockwise rotation increases treble response;
Counterclockwise rotation increases bass response.
- Output:** Clockwise rotation increases the output volume;
Counterclockwise rotation decreases volume.

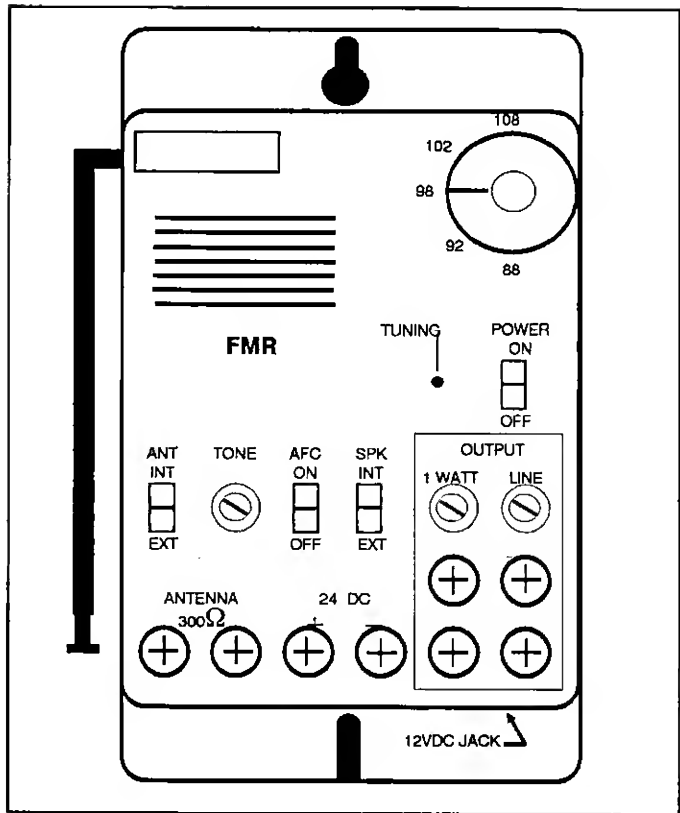
SERVICE

Caution

- There are no user-serviceable parts within the unit. Have internal servicing performed by authorized personnel only.*

If you experience difficulty with this unit, do not hesitate to ask our assistance. Information on repair and warranty service, and the location of the nearest Bogen Service Center, can be obtained by writing to: Service Department, Bogen Communications, Inc., P.O. Box 575, 50 Spring Street, Ramsey, NJ 07446.

When shipping the unit, pack it well to avoid damage in transit. Ship, insured and freight prepaid, via any responsible carrier. It will be promptly repaired and returned freight prepaid while in warranty.



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All specifications
subject to change
without notice.